

Form PTO-1449 (Modified)

FEB 11 2002

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
06007/37957Serial No.
09/980,060

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant
John Andrew Timmins et alFiling Date
11/29/01Group
1723

U.S. PATENT DOCUMENTS

*Examiner Initials	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
Pat	3,794,583	8/28/72	Rhodes			
	4,061,573	12/6/77	Biron			
	5,178,778	1/12/93	Sachse et al			
Pat	5,718,015	2/17/98	Rohrbacher			

FOREIGN PATENT DOCUMENTS

*Examiner Initials	Document Number	Publication Date	Country	Class	Subclass	Translation	
						Yes	No
Pat	DE 19549194		Germany			X	
	DE 3113227		Germany			X	
	DE 4200152		Germany			X	
	DE 9004019		Germany			X	
	2 128 495		UK				
	EP 531 586		EPO				
Pat	JP 043322742		JP				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

Pat H.

DATE CONSIDERED

12-17-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and, not considered. Include copy of this form with next communication to applicant.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002 OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/980060		
		Filing Date	November 29, 2001		
		First Named Inventor	John A. Timmins		
		Art Unit	1724		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	1	Attorney Docket Number	06007/37957

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number-Kind Code ² (if known)	Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
2/24/01	A	4,308,146	12-29-1981	Gagle et al.	
	B	4,588,505	05-13-1986	Walley et al.	
	C	4,601,825	07-22-1986	Eriksson	
	D	4,758,350	07-19-1988	Pitts et al.	
2/24/01	E	5,264,134	11-23-1993	McCamy	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ -Number ² -Kind Code ² (if known)				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>Robert H. Green</i>	Date Considered	12-17-03
--------------------	------------------------	-----------------	----------

RECEIVED
JAN 21 2003
TECHNOLOGY CENTER 1700